JAWAHARLAL INSTITUTE OF POST-GRADUATE MEDICAL EDUCATION & RESEARCH

(Institution of National Importance Under Ministry of Health & Family Welfare, Government of India)
Dhanvantari Nagar, Puducherry-605 006.

Department of Biochemistry

Tender No. JIP/BIOCHEM/ERRC/LT-1/2014-15 Dated: 13.08.2014

To

Dear Sir/Madam,

Sub: Supply of Gradient PCR Limited Tender Invited-Reg.

Please quote your lowest rates for supply of the GRADIENT PCR as per the list given overleaf / attached, subject to the following terms and conditions:

1. **Registered firms with JIPMER only can quote for the above OR the firms should register in JIPMER before submitting quotation. Please contact 0413-2296016 for Vendor Registration (Purchase Section).**
2. Rates should be quoted only for the items which are available in stock and can be supplied immediately on receipt of order.
3. Rate should be quoted inclusive of all Government Taxes.
4. No insurance charges are payable as per the rules in the Government. As such, the firms before quoting may take into consideration all the risks in the transit and then furnish Limited Tender which should cover insurance charges also. If any point is raised as regards insurance charges after orders are issued, the same will not be entertained and the firms thereafter should effect the supply at their own cost.
5. Rates should be quoted F.O.R, Puducherry, Extra packing, forwarding charges etc. should not be quoted.
6. Delivery is required urgently. Tenders should please state the guarantee delivery period they can offer. As delivery date is essence of the contract, this should be strictly adhered to by the successful tenders.
7. No supply which is not according to the specifications and not meeting our requirement will be accepted.
8. The Director shall have the right of rejecting the Limited Tender in whole or part without assigning any reason therefore.
9. In case of high precision instruments the firms should give a guarantee certificate for their satisfactory performance.
10. The firms participating in the limited tender must have registered their firms with purchase section of JIPMER before their quotations.
11. Limited tender quotations should be sent only by Certificate of Posting/Registered Post/Speed Post/Reputed Courier Service.
12. The quotation should be addressed to " The Director, JIPMER, Puducherry-6 and postal address should be " The Head of the Department, Department of Biochemistry, Second Floor, Academic Block, JIPMER, Puducherry -605006"

Please furnish you limited tender in a sealed cover subscribing as:

Limited tender for Gradient PCR
Tender No. JIP/BIOCHEM/ERRC/LT-1/2014-15 Dated: 13.08.2014
Head of the Department, Department of Biochemistry,
JIPMER, Puducherry - 6
Due Date: 28.08.2014, **Time:** Upto 1.00 PM

Limited tender should reach this office on or before 28.08.2014 by 1.00 pm. Limited Tender received after the due date will be summarily rejected.

Yours faithfully

Copy to: Purchase Section for information.

For DIRECTOR

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Operational Requirement:

Compatible, universal and user friendly suitable for both short time operation and continuous operations.

Technical Specification for Gradient PCR

1. Interchangable or Multiple Thermal Block capacity in a single unit with following block should be quoted
    - 96 X 0.1 ml PCR Strips
    - 96 X 0.2ml PCR tube
    - 71 X 0.5ml PCR Tube
    - 1 X 96 Well PCR Plate
2. Heating Lid to avoid evaporation of samples
3. Temperature control of block: 4 - 99ºC
4. Temperature control mode: Fast, standard and safe – all in Gradient mode
5. Block should maintain 20ºC until the set lid temperature reaches
6. Gradient Block – Over 12 Columns and gradient possible in all three steps
7. Gradient selectable from 1 - 20ºC across the entire temp. control range
8. Gradient should be capable of running at the specified ramping rates.
9. Heating & cooling ramp rates should be identical both in gradient and normal operations.
10. Possibility to set time and temperature increments in PCR programming
11. Block Homogeneity: ± 0.3ºC (20 – 72ºC); ± 0.4ºC (90ºC)
12. Control Accuracy: ± 0.2ºC
13. Heating rate: 3ºC/s or higher
14. Cooling rate: 2ºC/s or higher
15. Intuitive graphic programming
16. Booking schedule allows users to reserve the instrument in advance
17. Customized programming allows a maximum of 20 steps and 99 cycles
18. Runtime display shows remaining time in larger font for better view from distance
19. System memory of more than 100 User folders and more than 700 programs/10,000 protocols
20. USB ports: for Protocol transfer, Self-test, USB, printer / mouse
21. Log book function for error messages and new calibration
22. Machine should sent E-mail Notification to the specified Email id about the instrument status
23. Power save Standby function
24. Option to connect up to TWO PCR machine for ultimate throughput.
25. Optional Self-test dongle to check functionality of all 6 peltier elements
26. Optional ***in-situ*** adapter for running 4 slides

27. Ability to store methods on external card for safety and multiple user capability
28. Adjustable ramp rate from 0.1° C to 3.0° C to meet critical amplification conditions
29. Calibration according to NIST,DKD,UKAS standards
30. Pre-loaded protocols must be available.
31. Graphical LCD display must be available.
32. System must meet directives of "Restriction of Hazardous Substances (RoHS)" compliant (with indication of 2011/65/EC directive in certificate), CE & ISO certified.
33. Validation and calibration facility should be available in the system
34. Auto restart option in event of Power failures
35. Should be supplied with all standard Accessories & Consumables for 200 reactions.

General Terms & Conditions:

1. Equipment must be quoted in Indian Currency Only. Taxes if any should be mentioned separately and clearly.
2. The equipment and all accessories should be under warranty for a period of THREE YEARS after successful commissioning.
3. The necessary required Consumables should be quoted separately and the rate of the same should be frozen for next 5 years. Consumables rates will also be considered during price comparison.
4. All essential spare parts and service manuals should be available with the local services during warranty period.
5. AMC rates for a period of 5 years after the warranty period should be quoted separately and this would be taken into consideration in comparing the price bids.
6. AMC should include 4 preventive maintenance and any number of breakdown calls. A copy of service manual should be available with local service centre.
7. The after sales service should be available preferably within 24 hours and with trained service personnel from Chennai or nearer locations.
8. Should be quoted with suitable online UPS with 30mins battery backup for equipment .
9. The equipment and all accessories should be installed, tested, commissioned and trained at the Department of Biochemistry, JIPMER, Puducherry, free of cost.
10. All spare parts and consumables should be available with the supplier or principals for a period of 10 years.
11. A user list of the quoted equipment from reputed government institutes must be provided.
12. The supplier has to impart on-site training at the time of installation.

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(To be filled by the firm in their Letter Head)

Declaration

1. Iam Registered Firm of JIPMER and My Registration No_____

2. All the Specification of the Equipment I quoted meets the specification of JIPMER requirement

YES / NO

(If No/any Deviation. Pls mention the Sl.No and comment in the Below line)

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3. I accept all the General Terms and Conditions in the Tender.

Signature:

Name:

Designation:

Company Seal: